VRVD630

In-Dash AM/FM Stereo with
Built-in 3” LCD monitor
DVD/CD/VCD/DIVX/MPEG4/MP3/WMA/CD-R/CD-RW Player
with USB, SD Card and Video/Audio Auxiliary Input

Welcome!

Dear Customer,
CONGRATULATIONS. The VRVD630 Multi-Media Headunit with AM/FM Stereo Receiver, DVD, VCD, CD, and MP3 Player, Auxiliary Input Jack, SD Card & USB Memory capability and Detachable Faceplate, when used as described, will give you years of dependable service in your car, truck, RV, or mini-van. We have taken numerous measures in quality control to ensure that your product arrives in top condition and will perform to your satisfaction. In the rare event that your VRVD630 Multi-Media Headunit with AM/FM Stereo Receiver, DVD, VCD, CD, and MP3 Player, Auxiliary Input Jack, SD Card & USB Memory capability and Detachable Faceplate contains a damaged or missing item, does not perform as specified, requires warranty service, or you have an installation problem, DO NOT RETURN THIS PRODUCT TO THE STORE. PLEASE CALL OUR TOLL FREE NUMBER FROM THE U.S.A. AND CANADA 1-800-445-1797 and ask to speak with a member of our technical service team; or submit your questions by e-mail to customerservice@vr-3.com and a member of our technical service team will respond by e-mail to your questions. Our in-house technical service team will expedite delivery of your part, advise you on installation, or help troubleshoot a problem with you. If your product needs warranty service, our technical service team representative will help you obtain the fastest remedy possible under the warranty.

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PRECAUTIONS

Driving a vehicle while viewing a video on this head unit may violate motor vehicle laws, and may result in serious injury, property damage, or death!

Please read these important precautions BEFORE attempting to install this unit.

- Disconnect the vehicle's negative battery terminal before starting installation. Consult the vehicle's owner's manual for proper instruction.
- The unit is designed for a 12 Volt DC negative ground operation system only. Before installing the unit, make sure your vehicle is a 12Volt DC negative ground system.
- Mark the polarity of the existing speaker wires before disconnecting the old head unit.
- Be sure to connect the color coded leads according to the wiring diagram. Incorrect connections may damage the unit or cause the unit to malfunction or cause damage the vehicle's electrical system.
- Make sure all the connections are completely correct before turning on your unit.
- When extending the ignition, memory backup or the ground cable, use 0.75mm diameter (AWG18) or heavier automotive grade cable to avoid wire deterioration or damage to the wire coating.
- To prevent short circuit, never put or leave any metallic object inside the unit. If you smell or see smoke, turn off the power immediately and consult your dealer.
- Insert the unit until it is firmly locked into mounting sleeve, otherwise it may fall out.
- Be careful not to drop or shock the unit, it may break or crack because it contains glass parts.
- The unit is only designed for use with 4 speakers. Do not combine speaker output wires for use with 2 speakers. Do not ground negative speaker leads to the chassis ground.
- Do not open the top or bottom cover. Modifying the unit will void the warranty and may damage the unit or cause the unit to malfunction or cause damage the vehicle's electrical system.
- Parking in direct sunlight for several hours will cause higher temperatures inside the vehicle. Do not operate in extremely high or low temperatures. The temperature inside the vehicle should be between 32° F (0° C) and 100° F (37° C) before turning on your unit. Cool down the vehicle before operating the unit
- The faceplate is a precision piece of equipment that contains sensitive electronic components. Do not subject it to excessive shock.
- When replacing the fuse(s), the replacement must be of the same amperage as shown on the fuse holder.
- Do not block this unit's vents or heater panels. Blocking them will cause excessive heat to build up inside the unit and may result in fire.
- After completing the installation and before operating the unit, reconnect the battery according to the manufacturer's instructions. Then press the reset (RES) button with a pointed object, such as a ball-point pen to set the unit to its initial status.
- Do not touch the terminals of the faceplate or of the unit.
- If you have difficulty installing this unit in your vehicle contact customerservice@vr-3.com or Call 1-800-445-1797

Disc & Memory Types

The following table contains information on the different functions performed, and the different types of media used by this unit.

Disc Type	Icon	Content	Size	Playtime
DVD		Audio/Video	12cm	About 2 - 4.5 Hours
VCD		Audio/Video	12cm	About 74 minutes
CD		Audio	12cm	About 74 minutes
MP3		Audio	12cm	About 600 minutes
MPEG4 DIVX		Audio/Video		

Memory Type	Icon	Content	Size	Playtime
USB Flash Memory		Audio/Video		
SD Card		Audio/Video		
MMC		Audio/Video		

Care of Discs

- Handle the disc by its edge to keep the disc clean. Do not touch the disc's surface.

- Do not use CDs with labels or stickers attached. The label may leave a sticky residue when it begins to peel.

- Do not use a CD with paste or ink residue on it.

- Clean the discs with an optional cleaning cloth. Wipe each disc from the center out.

Before You Install

Automotive audio equipment installations can be challenging at times, even to the most experienced of installation technicians. If you are not confident working with electrical wiring, removing and reinstalling interior panels, carpeting, dashboards or other components of your vehicle, please call our toll-free help line 1-800-445-1797 and our in-house technical service team will answer your installation questions. Contact the vehicle's manufacturer for vehicle specific instructions, or consider having the VRVD630 professionally installed.

IMPORTANT: Remove the two transport screws from the top of the unit before installing.

• Before final installation of the unit, connect the wiring temporarily, making sure the unit and the system work properly.

• Use only the parts included with unit to ensure proper installation. The use of unauthorized parts can cause malfunctions.

• Consult with your vehicle's nearest dealership if installation requires the drilling of holes or other modifications of the vehicle.

• Install the unit where it does not get in the driver's way and cannot injure the passenger if there is a sudden stop, like an emergency stop.

• The laser will be damaged if it overheats, so don't install the unit anywhere hot--for instance, near a heater outlet.

• If installation angle exceeds 30 from horizontal, the unit might not give its optimum performance.

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Visit us on the WEB

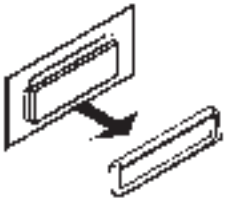
www.vr-3.com

For Information and Technical Assistance,
Call Toll-Free in U.S.A. and Canada.

1-800-445-1797

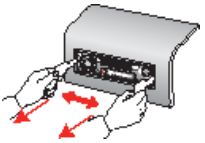
1. Remove the Old Unit from the Dashboard

A. Remove the outer trim frame.



DIN Front Mount

B. Insert the keys supplied with the old unit into both sides of the unit as shown in figure below until they click. Pull to remove the old unit from the dashboard.



DO NOT DISCONNECT WIRES AT THIS TIME!

2. Mark Polarity of the Speaker Wires

Marking the polarity of the speaker wires will make it easier to connect the existing speakers to the VRVD630. Consult the wiring diagram of the existing head unit before disconnecting any wires. If a wiring diagram is not available contact the head unit's manufacturer.

1. While the old unit is playing, disconnect the wires from one speaker.
2. Take a length of masking tape and fold it around the wire so it forms a flag.
3. On the masking tape mark the polarity of the speaker wires (+ & -), as well as left or right, and front or rear.
4. Double check that you marked the first speaker correctly by checking that the speaker wires are the same at the head unit.
5. Repeat this procedure for all of the speakers.
6. Mark the power, ground, and any other wires also.

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Installation

DIN FRONT-MOUNT (Method A)

IMPORTANT!
BEFORE THE FINAL INSTALLATION OF THE HEAD UNIT, CONNECT THE WIRING TEMPORARILY, MAKING SURE THE UNIT AND THE SYSTEM WORK PROPERLY.

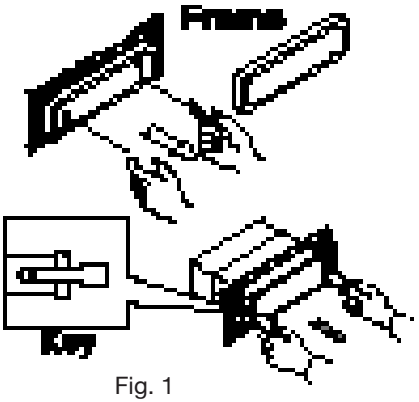
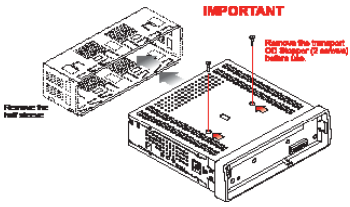


Fig. 1

Insert fingers into the groove in the front of frame to remove it.
Insert the keys supplied with the old unit into the grooves on both sides of the old unit. The unit can be installed or removed from the dashboard using these keys. (Fig. 1)



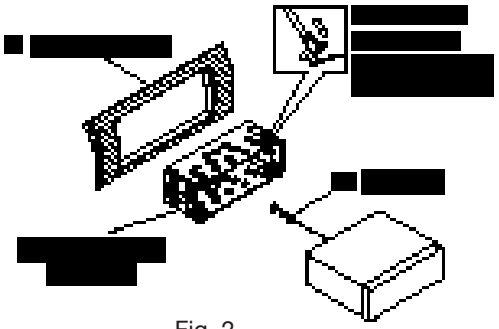


Fig. 2

After inserting the Mounting Sleeve into the dashboard, select tabs on top, bottom, and sides, then bend them to secure the mounting sleeve in the dash board.(Fig. 2)

Follow the diagram in Fig. 3 for installing the rear mounting strap to the head unit. The rear mounting strap will help keep the head unit from moving around inside the dashboard.

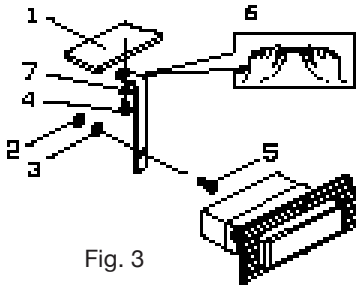
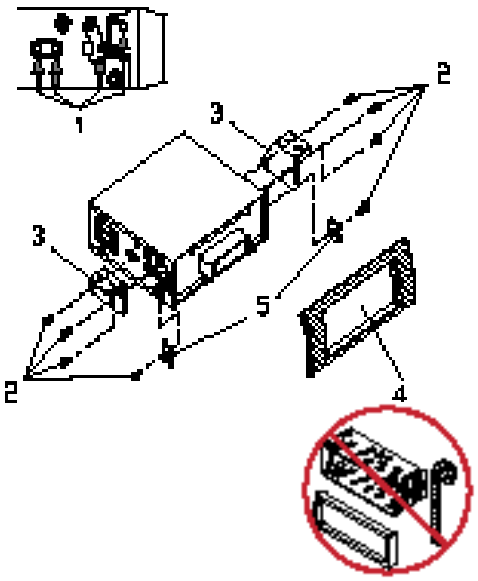


Fig. 3

1. Dashboard
2. Nut (5mm)
3. Spring washer
4. Screw (5 x 25mm)
5. Screw
6. Strap
7. Plain washer

DIN REAR-MOUNT (Method B)

Installation using the screw holes on both sides of the unit.



1. Screw holes on the side of the unit.

2. Screws. Use either truss screws (5 x 8mm) or flush surface screws (4 x 8mm), depending on the shape of the screw holes in the bracket.

3. Vehicle's Factory Mounting Bracket

4. Dashboard or Console

5. Hook (Remove this part)

Note: The mounting sleeve, outer trim ring, and the mounting strap are not used for this method of installation.

PARTS

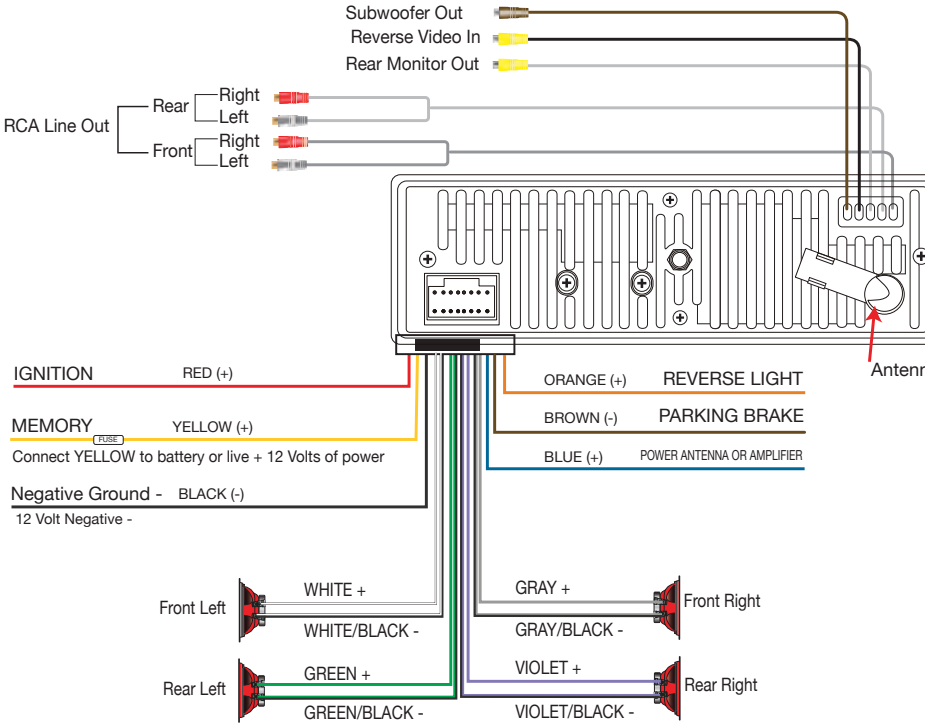
Check All Included Parts

Open the VRVD630 box and remove all parts, then check all parts and compare them to the parts list in the user manual. For replacement parts contact VR3 Customer Service at customerservice@vr-3.com or call 1-800-445-1797.

2 Keys
1 Mounting Sleeve
1 Sheet Metal Screw
1 Metal Support Strap
1 Mounting Bolt
1 Faceplate Case
1 1/8" Audio/Video Cable
1 Remote Control

Wiring Connections

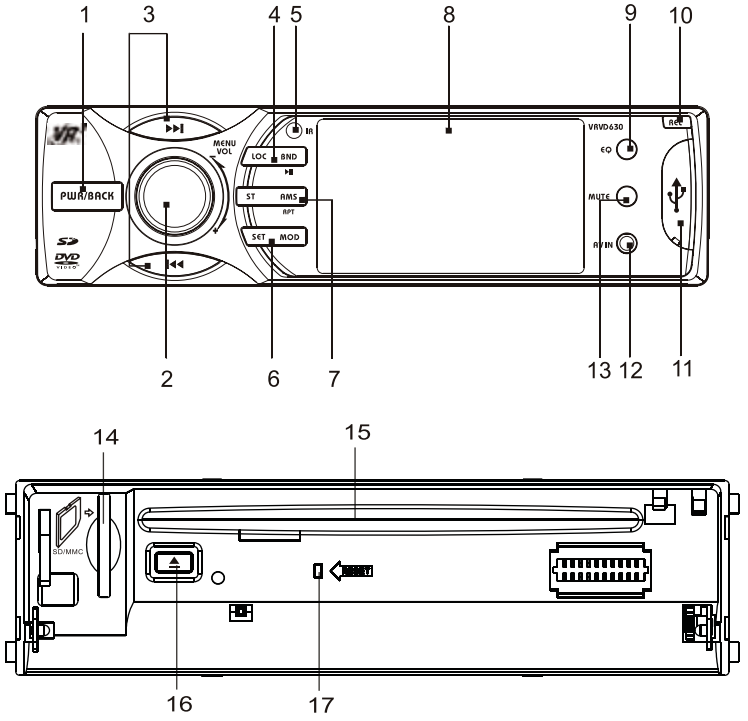
VRVD630



• Before starting the installation, disconnect the negative battery cable from the battery's negative terminal.

• Before final installation of the unit, connect the wiring temporarily, making sure the unit and the system work properly.

Location Of The Controls

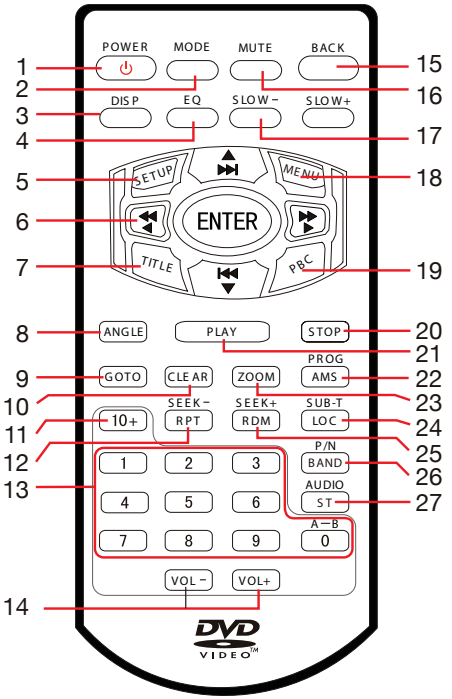


1. Power/Back Button
2. Volume Knob
3. Next, Fast Forward/Previous, Fast Reverse
4. Local/Band/Play, Pause
5. Infra Red Window
6. Select/Mode
7. Stereo/AMS/Repeat
8. TFT LCD Display
9. Equalizer Pre-Sets
10. Faceplat Release Button
11. USB Slot
12. AV IN Jack
13. Mute
14. SD Slot
15. Disc Loading Slot
16. Eject Button
17. Reset Button

Audio/Video Auxiliary Input

The VRVD630 is equipped with an Audio/Video Auxiliary Input.
In order to use the Audio/Video Auxiliary Input you MUST use the supplied Audio/Video cable.
Insert supplied adaptor into the A/V Input Jack on the front panel of the VRVD630.
The Adapter has two 3.5 mm jacks (one Yellow for Video and one Black for Stereo Audio).
The Yellow jack on the Adpater accepts a 3.5 mm mono Video plug from devices like portable DVD players and Video game controllers.
The Black jack on the Adapter accepts a Stereo Audio 3.5 mm plug from any Stereo Audio device (CD player, MP3 player, DVD, etc).

Remote Control



1. POWER
2. MODE
3. DISP
4. EQ
5. SETUP
6. FAST REVERSE/ FAST FORWARD, PREVIOUS TRACK/ NEXT TRACK, UP/DOWN/LEFT/ RIGHT/ENTER
7. TITLE
8. ANGLE
9. GO TO
10. CLEAR
11. 10+ BUTTON
12. RPT/SEEK-
13. 0-9 NUMBER BUTTONS
14. VOLUME UP/ DOWN
15. BACK
16. MUTE
17. SPEED +/-
18. MENU
19. PBC
20. STOP
21. PLAY
22. AMS/PROG
23. ZOOM
24. LOC/SUB-T
25. RDM/SEEK+
26. BAND/ P/N
27. ST/AUDIO

See page 8 for a detailed description of the button's functions.

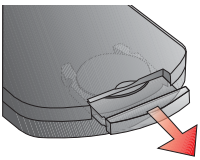
Use and Care of the Remote

Point the remote control at the front panel of the unit to operate.

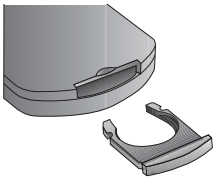
Precautions:

- Using batteries improperly can cause them to explode.
- Keep the battery out of the reach of children.
- Should the battery be swallowed, immediately consult a doctor.
- Use one CR2025(3V) lithium battery.
- Remove the battery if the remote control is not to be used for a month or longer.
- Do not short-circuit or disassemble
- Dispose of spent batteries properly.
- Do not drop the remote control, it may become jammed under the brake or accelerator pedals.

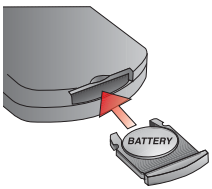
Changing the Battery



Turn the remote over, then slide the battery holder out of the remote.



Insert battery into battery holder with positive side of the battery facing up.



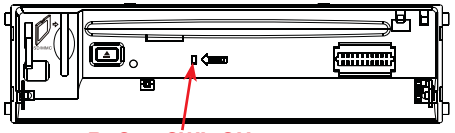
Insert battery holder into the remote control until

Recycle

Dispose of All Batteries Properly

1. POWER
Press to turn the unit ON or OFF.
2. MODE
Press the MODE button to change the operating mode of the unit.
3. DISP
In DVD mode, press the DISP button to display Title Elapsed, Title Remain, Chapter Elapsed, Chapter Remain, Display Off. In VCD/CD mode, Single Elapsed, Single Remain, Total Elapsed, Total Remain, Display Off.
4. EQ
Press to select preset equalizer settings to match the type of music being played.
5. SETUP
In playback mode, press to display system setting picture, the user can select some relative constant parameters.
6. [■/■], [⏮/⏭], [▲/▼/◀/▶], ENTER
Use the [fast reverse/fast forward], [previous track/next track], [up/down/left/right] buttons to select items in the system setting menu. Use the ENTER button to confirm the selected item in the system setting menu.
7. TITLE
In DVD mode, repeately press the button to select different titles. Only if DVD Supports.
8. ANGLE
Press to change the viewing angle in DVD mode.
9. GO TO
Press to set the playback time.
10. CLEAR
Press to activate CLEAR function.
11. 10+
Press to select track and chapter.
12. RPT/SEEK
In playback mode, press to RPT playing. In radio mode, press to scan stations downwards.
13. (0-9)NUMBER BUTTON - AB
Press to select track chapter or preset stations. In DVD/VCD mode, Press once, it sets the “A” position (beginning of the loop); pressed a 2nd time, it sets the “B” position (end of the loop). Pressed again, it exits the loop.
14. VOL-/VOL+
Refer to the head unit about VOLUME.
15. BACK
Press to come back last operation.
16. MUTE
Press to shut off the sound output. Press it again to resume previous sound level.
17. SLOW-/SLOW+
Press to slow forward or slow reward.
18. MENU
Press to return to the root menu of the disc in playback mode.
19. PBC
Press to display menus on VCD discs.
PBC ON songs palt in order.
PBC OFF songs can be played in any order you wish.
20. STOP
Press to stop the playback.
21. PLAY/PAUSE
Press to play or resume the current playback.
22. AMS/PROG
In radio mode, press to scan and automatically store station. In VCD/CD mode, press the AMS button to program the order you wish the chapters to be played.
23. ZOOM
Press to increase or decrease the picture in size.
24. LOC/SUB-T
In FM of radio mode, press to select local station or distance station. In DVD playback mode, press to change the subtitle language.
25. RDM/SEEK+
In VCD/CD mode, press to play tracks at random order. In radio mode, press to scan stations upwards.
26. BAND/P/N
In radio mode, press to select bands. In DVD/VCD mode, press to select PAL MULTI or NTSC system.
27. ST/AUDIO
In FM mode,press to select stereo or mono reception. In DVD/VCD mode, press to change the audio language.

Basic Operations



RESET SWITCH

Immediately after installing or connecting power to the unit, it should be initialized. Lower the detachable front panel. Behind the front panel, to the left of the connector, is a small hole with the reset switch in it. With a ball-point pen or other pointed object, press the RESET switch to initialize the unit.

1. PWR/BACK

Press the PWR/BACK button to turn the unit ON. The unit automatically remembers its last operation mode and will automatically switch to display that mode.

Press and hold the button for 1 second or longer to turn off the unit.

2. MODE

1.Press the MODE button to change the mode. Each time you press the Mode button, the Mode will change.

TUNER----DVD----USB----SD----AV

* If there is no DVD disc in the unit it will not change to DVD unit.

3. Volume

Turning the Volume knob to the right Increases the volume.

Turning the volume knob to the left decreases the volume.

4. EQ

This unit has 4 pre-set equalizer settings stored in memory.

To select the one.

* The factory default setting is “OFF”.

Each time you rotate the Volume knob, the pre-set equalizer setting changes in the following order:

OFF--CLASSIC--POP--ROCK--JAZZ

MENUS

To access these menus press the volume knob on the faceplate or the MENU button on the remote control

1. Picture Menu

In playback and AV mode, press the Volume knob to access the PICTURE menu, there are 4 adjustable video characteristics stored in memory, they’re accessed in the following the order: BRIGHTNESS/CONTRAST/COLOR/HUE. Press and rotate the Volume knob to select the setting you wish to adjust.

2. Audio Menu

Press the Volume knob to access the AUDIO menu, then select the item to adjust, each time you press the Volume knob, the item selectedchanges as following order:

BASS--TREBLE--EQ--BALANCE--FADER

Turn the Volume knob to adjust the sound characteristic selected.

3. Expert Menu

Press the Volume knob to access the EXPERT menu, rotate the Volume knob to ghlight the function you wish to adjust. Press the volume knob to select the highlighted function.

A. DX/LOC

In Radio mode select DX/LOC on the EXPERT menu, then rotate the Volume knob to choose between DX or LOC. Choose DX to listen to a distant, weaker signal, or choose LOC to listen to a stronger local signal.

B. ST/MONO

In Radio mode select ST/MONO on the EXPERT menu, then rotate the Volume knob to choose between ST or MONO. Choosing ST will enable to the radio to play in stereo mode. MONO will enable the radio to play in mono mode. When the sound quality is poor because the signal strength is weak,

use MONO to improve the sound. ST/ MONO is also available on the faceplate.

C. WOOFER
In any mode choose WOOFER on the EXPERT menu, the rotate the Volume knob to turn the Subwoofer line out ON or OFF. You must have an amplifier installed to drive a subwoofer.

D. BEEP
In any mode choose BEEP on the EXPERT menu, then rotate the Volume knob to turn the Beep sound ON or Off.

E.LOUD
In any mode choose LOUD on the EXPERT menu, then rotate the Volume knob to turn the loudness function ON or OFF.

Radio Operations

1. Radio Mode
Press the Mode button to select Radio mode. The radio frequency appears in the display.

2. Radio Bands
This unit comes with four bands - three FM (FM1, FM2, and FM3) and one AM Band. Each of the four bands can store up to six preset stations, for a total of 24 (18-FM,6-AM) pre-set memory stations. Each time the button is pressed, the radio reception band changes in the following order:

FM1------FM2------FM3------AM

3. Tuning
There are 3 types of Tuning modes;
Pre-set, Scan, and Manual.

a) Pre-set Tuning
To use Pre-set tuning you must first save the radio stations to memory;
Press the BND button to select the desired band, FM1, FM2, FM3, or AM, then press and hold the AMS button for 2 seconds.
Up to 6 stations will automatically be tuned to. If 6 receivable stations cannot be received, the previously stored station will remain in that memory position.

Press the SET button to recall the stored pre-set stations.
Each press of the SET button will advance to the next pre-set frequency.

b) Seek Tuning
Press the ⏮ button once to seek a lower frequency or the ⏭ button to seek a higher frequency. When using Seek tuning the radio will seek for the next strongest radio signal to tune to.

c) Manual Tuning
Press and hold the ⏮ or ⏭ button until the word manual appears on the LCD. Then press ⏮ to tune to a lower frequency or the ⏭ button to tune to a higher frequency. Leave the unit idle for a few seconds and it will return to scan tuning.

4. Stereo/Mono
On the faceplate press the ST button, MONO will be shown on the LCD and the radio will play in mono. Press the ST button again, to listen to the radio in stereo.
the default is stereo. When the sound quality is poor because the signal strength is weak, use MONO to improve the sound.

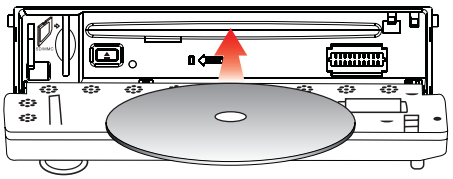
5. Local/Distant
Press the LOC button on the faceplate to switch between local and distant modes.

DVD Disc Operations

Driving a vehicle while viewing a video on this head unit may violate motor vehicle laws, and may result in serious injury, property damage, or death!

To play a DVD the vehcle must be stopped and the parking brake must be engaged.

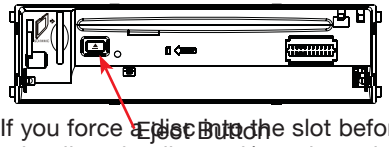
1. Loading a Disc



Press the REL button on the top right side of the faceplate to access the disc slot.
Insert a disc into the disc slot with the label side facing up. The disc will automatically load. Close the faceplate.

2. Ejecting a Disc

Press the REL button on the top right side of the faceplate to access the disc slot.
Press the Eject button, then remove the disc. If the disc is not removed within 11 seconds it will automatically reload itself.



If you force a disc into the slot before auto reloading, the disc and/or unit can be damaged.

Notes:

- Never insert foreign objects into the disc SLOT.
- If the disc does not insert easily, there may be another disc in the unit.

Press the Eject button to eject the disc, if there isn't a disc in the unit, and the disc will not load, the unit may require service.

- The unit is not compatible with 8 cm CD.

3. Playing a DVD/CD Disc

After inserting a disc it will automatically start playing. If the disc does not start playing, press the Mode button to enter Video mode.
Usually a DVD movie has a menu screen for the viewer to choose from. When the DVD's menu screen appears use the Arrow buttons on the remote control to navigate through the menu choices. Use the Enter button on the remote control to confirm your choice on the menu.

4. Pausing Playback on DVD

On the faceplate press the BND/ to pause playback of the DVD/CD. Press the button again to resume playback of the DVD/CD.

5. Selecting a Track on DVD

TRACK UP

On the faceplate press the button to advance to the beginning of the next track. Each press of the button will advance to the next track.

TRACK DOWN

On the faceplate press the button ONCE to go to the beginning of the current track. Press the button TWICE to go to the beginning of the previous track.

6. Fast-Forward/Fast-Reverse

Fast-Forward
Press and hold the button for 1 second or longer.
Fast-Reverse
Press and hold the button for 1 second or longer.

7. Repeat

During DVD playback, you can repeat the whole Title or Chapter of the DVD you are viewing. On the REMOTE or faceplate press the RPT Button to choose Title, Chapter, or OFF. The default is OFF.

8. Slow Motion Playback

During DVD playback, press the SLOW + or SLOW - Button for slow motion play. There are 5 speeds. Each time you press the SLOW MOTION Button the playback

will change as follows; 1/32, 1/16, 1/8, 1/4 or 1/2 speed.

9. ZOOM

During DVD playback, Press the ZOOM Button to increase the picture size. There are 2 size increases, 400% and 1600%. Press the ZOOM button once to increase the picture size 400%, press the ZOOM button twice to increase the picture size 1600%, press the ZOOM Button again to return to normal size.

10. Changing The Viewing Angle

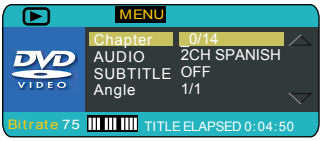
With DVDs featuring multi-angle (scenes shot from multiple angles) recordings, you can press ANGLE on the remote control to switch between viewing angles during playback.
Selection options switch as follows:
ANGLE 1, ANGLE 2, ANGLE 3

NOTES:
• This function is only available with the remote control.
• This function only operates with DVDs featuring multi-angle recordings.
• The mark on a DVD's package indicates it features multi-angle scenes.
• The number in the mark indicates the number of angles from which scenes were shot.
If you press ANGLE during fast forward/ fast reverse or pause, fast forward/fast reverse or pause is canceled and normal playback resumes but the viewing angle does not change.

11. "GO TO" PLAYING TIME

In DVD mode, press the GO TO button, then, use the ▲▼◀▶ buttons to select Title, Chapter, AUDIO, SUBTITLE, Angle, TT Time, CH Time, REPEAT, & Time Disp. from the GO TO menu shown below.

Press the ENTER button to choose the item you wish to change.
For example;
1. Press GO TO, then use the arrow buttons to highlight Chapter on the menu shown below.



2. Press the ENTER button to select Chapter, then change the chapter of the movie you are watching.
3. Input the chapter number you want to go to. (For example; Enter 08 to go to chapter 8.Enter 10+, then 3 to go to chapter 13.) The DVD player will go to the chapter you have entered.
4. Press GO TO to resume full screen mode.

In DVD/VCD mode, press the GO TO button, then, use the ▲▼◀▶buttons to select Title, Chapter, AUDIO, SUBTITLE, Angle, TT Time, CH Time, REPEAT, & Time Disp. from the GO TO menu shown below.

Press the ENTER button to choose the item you wish to change.
For example;
1. Press GO TO, then use the arrow buttons to highlight Time Disp. on the menu shown below.

2. Press the ENTER button to select Time Disp., then the menu below will be shown.

3. Highlight the Time Display item on the menu you wish to be displayed.
4. Press the ENTER button to confirm your choice. Your choice will be displayed on the bottom right of the GO TO menu.
NOTE: This function is operated by using remote control.

12. Changing The Subtitle Language (multi-subtitle)

With DVDs featuring multi-subtitle recordings. Press the LOC SUB-T Button on the remote control to switch between subtitle languages during playback.
Selection options switch as follows:
Subtitles 1, Subtitles 2, and Subtitles OFF
NOTES:
• This function is only available with the remote control.
• This function only operates with DVDs featuring multi-subtitle recordings.
• The number in the mark "2" on a DVD's package indicates the number of recorded.

13. AMS Menu
A. Press the AMS MENU Button to program the playback of the DVD. main menu, all of the DVD's chapters will appear on monitor. Use the ARROW buttons to select your desired chapter, press enter to confirm your selection.
B. Title Menu: During DVD status, press the TITLE Button to return the title menu, all of the titles will appear on the monitor. Use the UP or DOWN ARROWS buttons to select your desired title.

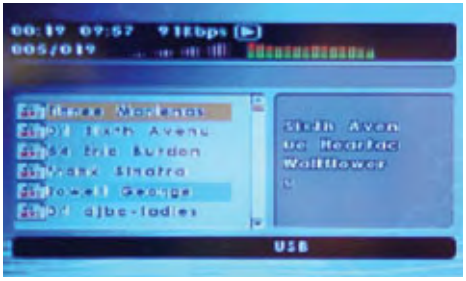
NOTE:
• This function is only available with the remote control.
• These options will be used by the VRVD630 if they are available on the disc. If the disc that is inserted does not have these preferred options, then the discs own preferences will be used.
• Some functions will vary depending on the type or format of the disc.

14. Auto Switch to Video
When driving the vehicle and inserting a DVD the message "DVD:PARKING BRAKE" will appear on the screen. Park the car and apply the parking brake to view the DVD.

15. Reverse Video In
When you put the vehicle in reverse to back up the Reverse Video input will become active. If there is a back up camera attached to the Reverse Camera Video input, the image from the reverse camera will be displayed on the screen.
If there isn't a back up camera attached to the Reverse Camera Video input there will be no image displayed on the screen.

MP3/WMA ID3 Tags

Whether playing MP3/WMA files from a Disc, USB Drive, or SD card, the following screen will be displayed.
The song titles are displayed on the left, and the ID3 information is displayed on the right.



ID3 information is only used with MP3 files, WMA files do not use ID3 information. Also if an MP3 file has no ID3 information, noth-

ing will be displayed on the left side of the screen.

MP3/MP4/WMA/DIVX Disc Operations

1. Loading a Disc
Press the REL button on the top right side of the faceplate to access the disc slot.
Insert a disc into the disc slot with the label side facing up. The disc will automatically load. Close the faceplate.

2. Ejecting a Disc
Press the REL button on the top right side of the faceplate to access the disc slot.
Press the Eject button, then remove the disc. If the disc is not removed within 11 seconds it will automatically reload itself.
If you force a disc into the slot before auto reloading, the disc and/or unit can be damaged.
Notes:
• Never insert foreign objects into the disc SLOT.
• If the disc does not insert easily, there may be another disc in the unit.
Press the Eject button to eject the disc, if there isn't a disc in the unit, and the disc will not load, the unit may require service.
• The unit is not compatible with 8 cm CD.
USB Drive & SD Card Operations

To Load a USB flash drive.
1. Remove the cover from the USB port on the right side of the unit.
2. Insert the USB flash drive into the USB-port.

To Load a SD Card.
1. Lower the faceplate
2. Insert the SD Card into the SD card slot on the left side.

MP3/MP4/WMA/DIVX Files From a Disc, USB Drive or SD Card
1. Play / Pause
When playing MP3/WMA files stored on a USB drive, press the "BND/⏯" Button to start playback.
When playing a disc or memory card combined with MP3/MP4/WMA/DIVX files, the unit will only read the files with same format automatically. For example, if the unit read the MP3 files first, then it can only play all MP3 files but no other formats such as Divx/MP4/WMA although they are in same disc; and after MP3 playback, the unit will stop to play. The same for other formats. During the playback, the key of PREV & NEXT are only available for the same format files.

4. Pausing Playback On the faceplate press the BND/⏯ to pause playback. Press the button again to resume playback.

5. Selecting a Track
TRACK UP
On the faceplate press the ⏭ button to advance to the beginning of the next track. Each press of the button will advance to the next track.
TRACK DOWN
On the faceplate press the⏮ button ONCE to go to the beginning of the current track. Press the ⏮ button TWICE to go to the beginning of the previous track.

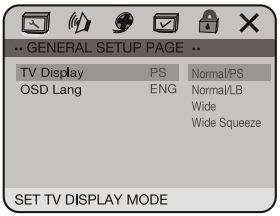
6. Fast-Forward/Fast-Reverse
Fast-Forward
Press and hold the⏭ button for 1 second or longer.
Fast-Reverse
Press and hold the⏮ button for 1 second or longer.

7. Repeat
During playback, you can repeat all of the files or just one track. On the REMOTE or faceplate press the RPT Button to choose Repeat one, Repeat All, or OFF.

System Setup

System Setup
To access the Setup menu, press the Setup button the the remote control. The menu includes; General settings, Audio setup, Video setup, Preferences setup, and Password setup.
Use the Arrow (▲▼◀▶) buttons on the remote control to navigate the items available on the menu.
Press the Left (◀) arrow button on the remote to return to the previous menu.

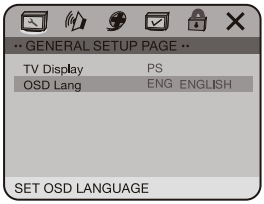
1. General Setup



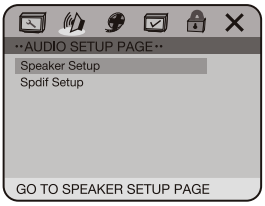
a) TV DISPLAY SETUP
The TV Display is for selecting which format (aspect ratio) will be used for the TV screen.

• No matter which display format is selected, a picture recorded in standard 4:3 format always displays in the 4:3 aspect ratio.
• The display format of DVD titles may vary; please refer to the information that accompanies your specific DVD title.
• If the DVD title is recorded in 16:9 wide display format while the TV is a standard 4:3 screen, horizontal compression of the image will result.
• Some DVD titles may be recorded in special formats. In such cases, the DVD titles will always appear on the screen in their original format,regardless of which TV display format you select.

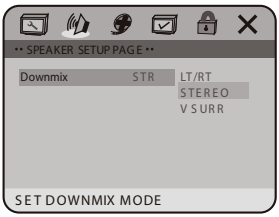
b) OSD LANGUAGE SETUP
Use this menu to select the language displayed on the setup menus and any other on-screen display.



2. Audio Setup
a) SPEAKER SETUP PAGE
Use this menu to select to type of sound output.



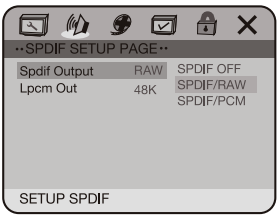
DOWNMIX MODE: Sets front speakers to LT/RT STEREO, V SURR or 5.1 CH.



The first 3 settings (LT/RT, STEREO, V SURR) downmix the sound Signal for 2-Speakers. This setting allows you to enjoy a surround sound effect with only two speakers.
For this reason the audio setup for additional speakers (described in the following sections) are disabled when DOWNMIX MODE is set to
these settings.
In this setting, the DIALOG is active. You have to set the DOWNMIX MODE to 5.1

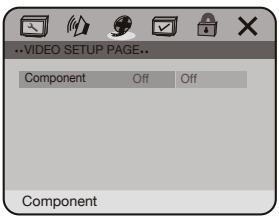
CH if you have selected the Dolby Digital connection and you would like to enjoy true Dolby Digital surround sound. In this setting, the CENTER, REAR speakers are active.

SPDIF OUTPUT MODE: This page is used to set the audio outputs.
This DVD player includes three kinds of audio output:



1. SPDIF OFF: An analog surround sound format is output through the back-panel connections for L, R. LS, RS, and Center speakers, and the Subwoofer simulation.
2. SPDIF/RAW or SPDIF/PCM: This surround sound format is output to a Dolby Digital / DTS decoder through the optical and coaxial connectors on the back-panel of the unit.
Note: The DVD player simultaneously outputs a Dolby Digital signal and an analog signal, but you have to select the Analog output if you want to take advantage of the Karaoke effects.

3. Video Setup Page
Video Quality Setup Page



4. Preferences Setup
NOTE: The Preferences Setup page is only accessible when there is a disc in the unit, and the disc is stopped. The seting will take effect the next time the unit is powered up.

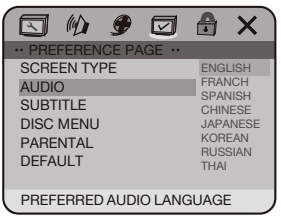
SCREEN TYPE
This player supports the following screen output types, MULTI(Auto), NTSC, and PAL systems.

Use the following table to help choose the TV Type for the disc you are viewing.

Disc		Output Format		
Type	Format	Selected TV System Mode		
		NTSC	PAL	MULTI
DVD	NTSC	NTSC	PAL	NTSC
	PAL	-----	PAL	PAL

If your TV only supports NTSC or PAL and you have selected the wrong TV type, the screen will flicker and black and white.

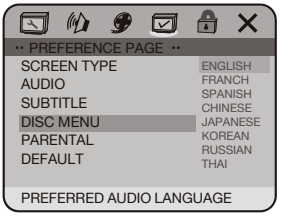
AUDIO
Use this page to set the preferred audio language as the default when playing a DVD.
(ONLY if the DVD supports these languages)



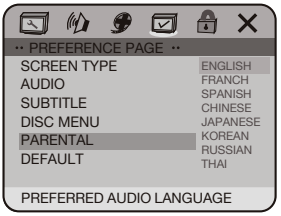
System Setup

SUBTITLE
Sets the preferred subtitle language as the default when playing DVD. (ONLY if DVD supports these languages)

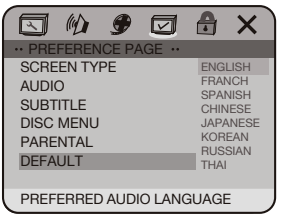
DISC MENU
Sets the preferred disc menu language as the default when playing DVD. (ONLY if the DVD support these languages)



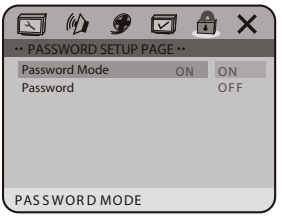
PARENTAL
The parental control function works in conjunction with the different censorship ratings assigned to DVDs. These ratings help to control the types of DVDs that the family is able to watch. There are 8 censorship ratings for DVDs.
Note:
• The PARENTAL preference is changeable when 5.1 PASSWORD MODE set to OFF.
• After setting the level of parental control. please set the password to ON to prevent changing of the chosen reting.

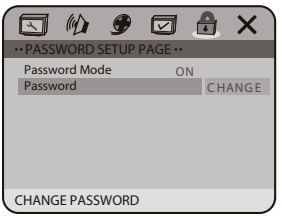


DEFAULT
Resets the unit to its original settings. Press ENTER to reset.



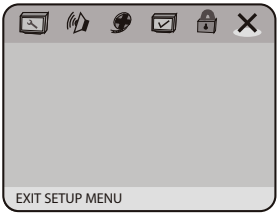
5. Password Setup Page
Password Mode enables the user to set a password for parental lock function.
The initial password is 1389.
Changing the Password
To change the password, please type 6 numerals as new password. You will be asked for the old password before you can change to a new password.





5. Exit Setup Menu

Use the following page to exit the Setup menu.



System Setup

Setting the Screen Size

The following table shows multi-aspect ratios for different types of DVDs

Picture Format on Disc	TV Screen Size		
	4:3		16:9
	Pan Scan	Letter-box	Wide Screen
4:3			
16:9			

Functions Supported by DVD Discs

There are many different functions available on DVD discs.
The Functions vary by player and Manufacturer.

Regional Code And Signal System	Picture Proportion Modes
Dolby Digital Surround Sound	Parental Lock
DTS Surround Sound	Number of Viewing Angles
Number Of Languages	Closed Caption for Hearing Impaired
Subtitle Languages	

DVD Playback

Symptom	Cause	Remedy
Power doesn't switch ON . The unit doesn't operate.	Leads and connectors are incorrectly connected	Confirm once more that all connections are correct
	A fuse has blown	Fix the problem causing the blown fuse and replace the old fuse with a new one of the same capacity
	Parking Brake Wire is not connected correctly	Parking Brake Wire should be connected to the vehicle's negative parking brake wire
Operation with the remote control isn't possible	The remote control operation mode is incorrect	Switch to the correct remote control mode
	Battery power is low	Load new batteries
	Some operations are prohibited with certain discs	Check using another disc
Playback is not possible.	The disc is dirty	Clean the disc
	The loaded disc is a type this unit cannot play	Check what type the disc is
	Non compatible video system disc is loaded	Change to a disc compatible to your video system
There's no sound	Connections are incorrect.	Check connections
	With some discs,96kHz output is prohibited.	Switch the output setting to 48 Khz
	The unit is performing still F.FWD or F.REV playback	There is no sound during still F.FWD , F.REV playback
The prohibited mark is displayed and operation is not possible	The operation is prohibited for the disc	This operation is not possible
	The operation is not compatible with the disc's organization	This operation is not possible
The picture stops (pauses) and the unit cannot be operated	Reading of data has become impossible during playback	After pressing ■ once start playback once more
There's no sound Volume level is low	The volume level is low	Raise the volume level
There's audio and video skipping	This unit is not firmly secured	Secure this unit firmly
The picture is stretched the aspect is incorrect	The aspect setting is incorrect for the display	Select the appropriate setting for your display
When the ignition switch is turned ON (or turned to ACC), the motor sounds	This unit confirms whether a disc is loaded or not	This is a normal operation

Troubleshooting

DVD Playback

Symptom	Cause	Remedy
Playback is not possible	The loaded disc has a different region number from this unit	Replace the disc with one featuring the same region number as this unit
Dialog language (and subtitle language) can not be switched.	The DVD playing does not feature multiple language recordings.	You cannot switch among multiple languages if they aren't recorded on the disc
	You can only switch between options indicated in the disc menu	Switch using the disc menu
No subtitles are displayed	The DVD playing does not feature subtitles	Subtitles are not displayed if they are not recorded on the disc
	You can only switch between options indicated in the disc menu	Switch using the disc menu
Playback is not with the audio language and subtitle language settings selected in SET UP MENU	The DVD playing does not feature dialog or subtitles in the language selected in the SET UP MENU	Switching to a selected language is not possible if the language selected in the SET UP MENU is not recorded on the disc
The picture is extremely unclear/distorted and dark during playback	The disc features a signal to prohibit copying (some discs may have this)	Since this unit is compatible with the copy guard analog copy protect system. When playing a disc that has a signal prohibiting copying the picture may suffer from horizontal stripes or other imperfections when viewed on some displays. This does not mean this unit is malfunctioning.

VCD Playback

Symptom	Cause	Remedy
The PBC(playback control) menu display cannot be called up.	The video CD playing does not feature PBC	This operation is not possible with video Cds not featuring PBC
	PBC is switched OFF	Switch PBC ON
Repeat play and track/time search are not possible	PBC is switched ON	Switch PBC OFF.

Specifications

GENERAL

Power Requirement	12VDC (10.8~16V)
Grounding System	12VDC Negative
Fuse	15 Amps
RMS Power Output	4 X 8 Watts
Maximum Power Output	4 X 40 Watts
Load Impedance	4 Ω (4-8 Ω)
Dimensions	178mm X 166mm X 50mm
Weight	1.55 kg

DVD PLAYER

SN Ratio	More than 70 dB(1KHz)
Dynamic Range	More than 80 dB(1KHz)
Distortion	less than 0.2%
Video Output	1.0Vp--p±0.2V/75Ω

Specifications

FM TUNER

Frequency Range	87.5~107.9MHz
Usable Sensitivity	10dB
SN Ratio	55dB(mono)
Distortion	0.5%(mono)
Stereo Separation	30dB(65dBu,1KHz)

AM TUNER

Frequency Range	530~1710 KHz
Usable Sensitivity	30dB
Signal-to-Noise Ratio	50dB

Limited Warranty

VIRTUAL REALITY VIDEO LABS® products are designed and manufactured to provide a high level of trouble-free performance. VIRTUAL REALITY VIDEO LABS® warrants, to the original purchaser, that its products are free from defects in material and workmanship for 30 days from the date of original purchase, as part of our commitment to product excellence. VIRTUAL REALITY VIDEO LABS® and/or its affiliates routinely improves the designs, materials or production methods of its existing products. Because it is impractical to publicize all changes in every product, we reserve the right to make such changes without notice.

CONDITIONS OF WARRANTY:
If during the 30 day warranty period your new product is found to be defective, VIRTUAL REALITY VIDEO LABS® will repair such defect, or replace the product, without charge for parts or labor subject to the following conditions:
1. All repairs must be performed by VIRTUAL REALITY VIDEO LABS® and/or its affiliates in Eatontown, New Jersey.
2. The equipment must not have been altered or been damaged through negligence, accident, or improper operation.
3. The replacement of parts are exempted from this warranty when replacement is necessary due to normal wear and tear.
4. All warranty claims must be accompanied by a copy of the sales receipt or bill of sale.
5. Repair or replacement parts supplied by VIRTUAL REALITY VIDEO LABS® under this warranty are protected only for the unexpired portion of the original warranty.
6. In the case of car stereos, this warranty does not extend to the elimination of car static or motor noise; correction of antenna problems; costs incurred for the removal or reinstallation of the product; damage to tapes, speakers, accessories or car electrical systems.
7. VIRTUAL REALITY VIDEO LABS® will not be responsible for any charge incurred for installation.

OWNER'S RESPONSIBILITIES:
VIRTUAL REALITY VIDEO LABS® will make every effort to provide warranty service within a reasonable period of time.
SHOULD YOU HAVE ANY QUESTIONS ABOUT SERVICE RECEIVED, OR IF YOU WOULD LIKE ASSISTANCE IN OBTAINING SERVICE, PLEASE CALL TOLL FREE 1-800-445-1797, 8:30am - 4:30pm EST.
In order to provide you with the proper warranty service, we request that you adhere to the following procedure:
1. Include a copy of your sales receipt or bill of sale with your unit when it is returned for warranty service.
2. If it is necessary to return your product for service, please return it securely packed, preferably in the original shipping carton, and freight and insurance prepaid to the following address: VIRTUAL REALITY VIDEO LABS, Service Department, 41 James Way, Eatontown, New Jersey 07724.
3. Please include a detailed explanation of the problem you are having.
4. If your product is found by VIRTUAL REALITY VIDEO LABS® to have a defect in material or workmanship, within the warranty period, it will be repaired or replaced at no charge and returned to you prepaid. Where permitted by law VIRTUAL REALITY VIDEO LABS® liability shall be limited to that set forth in this warranty. This warranty shall be the exclusive remedy of the purchaser.

VIRTUAL REALITY VIDEO LABS® makes no other warranty of any kind, expressed or implied; and all implied warranties, are hereby disclaimed by VIRTUAL REALITY VIDEO LABS® and excluded from this warranty, VIRTUAL REALITY VIDEO LABS® and/or its affiliates, the manufacturer, distributor and seller shall not be liable for any injury, loss or damage, incidental or consequential, arising out of the use or intended use of the product.

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